	Application No.	Applicant(s)
Notice of Allowshills.	09/491,585	NOGUCHI ET AL.8
Notice of Allowability	Examiner	Art Unit
	Mike Qi	2871
The MAILING DATE f this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. 🖾 This communication is responsive to the amendment of Jun	<u>ne 7,2004</u> .	
2. The allowed claim(s) is/are 1-18.		
3. A The drawings filed on 25 January 2000 are accepted by the	e Examiner.	
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have  2.  Certified copies of the priority documents have  3.  Copies of the certified copies of the priority documents nave  International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> <li>5.  A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give  (a)  including changes required by the Notice of Draftspers  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's  Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the  paper No./Deposit of Pand/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In  DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In</li></ul>	been received.  been received in Application No cuments have been received in this reply of this application.  Set the attached EXAMINER's reason(s) why the oath or declarate the submitted.  So an are at a conditional received in the Constant of the Co	national stage application from the complying with the requirements  S AMENDMENT or NOTICE OF tion is deficient.  948) attached  office action of the back) for the back of the complying with the requirements
Attachm nt(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☑ Examiner's Amendn	e

Art Unit: 2871

## **DETAILED ACTION**

## **EXAMINER'S AMENDMENT**

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The title should be change into - - Liquid crystal display device with particular cell gap - -.

Application/Control Number: 09/491,585 Page 3

Art Unit: 2871

## Allowable Subject Matter

1. Claims 1-18 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record neither discloses nor teaches that a liquid crystal display device comprising various elements as claimed, more specifically, as the following:

the cell gap is formed so as to gradually and continuously increase from the center of the cell to each of the pair of ends of the display area of the cell (cell gap is smaller in the center than any other part of the display area) at room temperature, so that no display defect occurs at a high temperature as shown in Fig.1 [claims 1,2,12].

The closest references such as AAPA, Ishihata, Hoshikawa disclose a cell gap at the edge portion of the display area is larger than the middle portion of the display area, but the middle portion is uniformed, and most references teaches to form uniform cell gap. None of references teaches the cell gap is gradually and continuously increased from center to each end of the display area at room temperature so as to prevent display defect at a high temperature as claimed in the claims 1, 2 and 12.

Claims 3-11 and 13-14 are dependent on the claim 1; claims 15-16 are dependent on the claim 2; claims 17-18 are dependent on the claim 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/491,585 Page 4

Art Unit: 2871

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Qi whose telephone number is (571) 272-2299. The examiner can normally be reached on M-T 8:00 am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Qi June 25,2004

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